

in her cultures and obtained "apogamous outgrowths" in that species also.—J. M. C.

Peat soils.—In a discussion of the agricultural possibilities of the vast peat areas of Minnesota, estimated at 7,000,000 acres, ALWAY¹³ has shown the close relationship between agricultural and ecological problems. There is a general discussion of peat soils, a synopsis of the history of peat-land control in Europe, and a review of the literature. The two systems of control discussed are those by chemical treatment and those by burning. Toxic substances in the peat and in the substratum are also considered.—GEO. D. FULLER.

Ultra-violet light and yeast.—FEUER and TANNER¹⁴ have studied the effect of ultra-violet light on 30 different species, strains, and varieties of yeastlike fungi, and conclude that these organisms are not very resistant to ultra-violet light, and that this might be used in controlling developing yeast in the industries. Further quantitative work is under way.—WM. CROCKER.

A non-absorbing atmometer mounting.—LIVINGSTON and THONE¹⁵ have devised a new and much simplified mounting for porous cup atmometers which prevents absorption during periods of precipitation. The necessary valve is constructed in a simple straight glass tube by the use of a piece of mineral wool and a drop of mercury.—GEO. D. FULLER.

Internal stomata.—BERGMAN,¹⁶ having observed stomata in the endocarp of the cultivated cranberry, extended his observations to numerous ericads, finding internal stomata in a number of them. Experiments indicated that they had not retained their ability to function, and the general conclusion is advanced that they are relics retained by a "modified leaf."—J. M. C.

¹³ ALWAY, F. J., Agricultural value and reclamation of Minnesota peat soils. Univ. Minn. Agric. Exper. Sta. Bull. 188. pp. 136. *figs.* 54. 1920.

¹⁴ FEUER, B., and TANNER, F. R., The action of ultra-violet light on the yeastlike fungi. Jour. Ind. Eng. Chem. 12:740, 741. 1920.

¹⁵ LIVINGSTON, B. E., and THONE, FRANK, A simplified non-absorbing mounting for porous porcelain atmometers. Science N.S. 52:85-87. 1920.

¹⁶ BERGMAN, H. F., Internal stomata in ericaceous and other unrelated fruits. Bull. Torr. Bot. Club 47:213-221. *figs.* 9. 1920.